Factors that Affect Plant Growth Pre-Laboratory Quiz

In order to participate in the Factors that Affect Plant Growth Laboratory Experiment students must obtain a 70% on the pre-laboratory quiz. If a student is unable to obtain a 65% they may re-write the quiz until they obtain a grade of 70%. The quiz is a form of formative assessment so that students have enough understanding to complete the laboratory with ease.

Plant development varies with the amount and quality of:

1. Light
2. Water
3. Nutrients
4. All of the above

Which of the following is not a primary component of fertilizer that positively affects plant growth?

1. Nitrogen
2. Phosphorus
3. Oxygen
4. Potassium

pH is a measure from:

1. Acid to basic
2. Basic to complicated
3. Soft to acidic
4. Soft to complicated

Which of the following can be added to soil to raise pH levels? (circle two)

1. Lime
2. Sulfur
3. Ash
4. Peat moss

Which of the following can be added to soil to lower pH levels? (circle two)

1. Lime
2. Sulfur
3. Ash
4. Peat moss

The hardiness of a plant refers to:

1. How thick the stems and leaves are
2. How much bark is on the stem
3. The plants ability to break down hard substances for energy
4. The plants ability to withstand harsh conditions

Photoperiod is: The number of daylight hours

How is gravitropism significant to plant growth? If plants did not detect or respond to gravity, roots and shoots would be just as likely to grow downward as they are upward.